

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 04/29/2019 12:15 PM
Cytometer Baseline: 01/02/2019 10:47 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 72756 **Expiration Date:** 10/31/2019
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125535	0	1.28	125661	1.28
Blue	F	SSC	125000	124207	-1	1.55	124980	1.49
Blue	E	FITC	16694	16543	-1	2.56	358	19.47
Blue	D	PE	32792	32509	-1	1.81	708	14.32
Blue	B	PerCP-Cy5-5	44451	44236	-1	3.51	1191	19.50
Blue	A	PE-Cy7	33645	34350	2	5.95	663	38.77
Red	C	APC	47008	46211	-2	2.39	1632	12.04
Red	A	APC-Cy7	32298	31116	-4	2.36	823	11.82
Violet	B	V450	8961	8574	-5	4.64	493	13.94
Violet	A	V500	32726	31903	-3	4.56	743	10.63

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21485	2.67	602	-11	N/A	N/A	Pass
Blue	F	SSC	56475	1.07	542	-26	N/A	N/A	Pass
Blue	E	FITC	65	62.06	540	-23	0.0216	98	Pass
Blue	D	PE	147	47.38	547	-19	0.1639	234	Pass
Blue	B	PerCP-Cy5-5	219	48.39	643	-28	0.0105	64	Pass
Blue	A	PE-Cy7	124	97.63	696	-30	0.0128	21	Pass
Red	C	APC	386	25.17	588	-25	0.0264	116	Pass
Red	A	APC-Cy7	182	28.10	562	-23	0.0062	746	Pass
Violet	B	V450	79	56.74	470	-16	0.0386	1476	Pass
Violet	A	V500	113	30.94	480	-16	0.0230	396	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.03	-31.90	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	15.87	13.60 - 20.40	N/A	N/A	29.55	29.80	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9634

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments